For Sale:Tektronix #422 oscilloscope, dual trace, just calibrated. 1st $850 takes. 415/969-2685.

FOR SALE: Tabletop KSR33 TTY; $500; Abt 3 yrs old; Less than 1200 hrs total time;overhauled with-
in past year; excellent condition; no mx problems since orig pchse; internal current loop for
off-line opn; 20+ ft line to conn to your interface; drop by for demo; write or call: John Queern;
615 S. Jackson; Belleville, IL 62221 (near St.Louis,MO). 618/277-7262 after 5PM.

MARCH SPECIAL: SEALS SWTPC-compatible 8K	NORTH STAR OWNERS: Try our new COMPREHENSIVE
STATIC memory cards are assembled/tested	MAILING LIST PROGRAM. A complete mailing list
for ONLY $ 209.90 PPD!! Also, SWTPCs new	Maintenance program set. Complete on North Star
MP-16 32K memory card (with 16K memory	diskette with documentation package......
installed) assembled and tested for ONLY	ONLY $ 25 PPD
$ 400 (add $3 UPS).	

ORDER FROM: WILLIAMS TV INC, COMPUTER DIVISION, 2062 LIBERTY ST, P.O. BOX 3314, JACKSONVILLE,
FLORIDA, 32206. Phone: (904)358-3707 or (904)354-5460. CODs are OK!! Dealer inquiries invited.

CONTROL DATA 9322 LINE PRINTER. 200 1pm drum impact printer prints 132 columns. Features include
12 channel VFU and simple 8 bit parallel computer interface. Used only 1 year. Reconditioned.
$1800 plus shipping. R. Fox; 1364 Campbell Street; Orlando, FL 32806.

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    *************** 32K DYNAMIC MEMORY for your DIGITAL GROUP Z-80 SYSTEM ***************
    *     ALL BOARDS ARE        32K-$650      16K-$370      4K EXPANSION KIT   $75.00    *
    *     ASSM AND TESTED       24K-$510      8K-$240       P.C. BOARD AND DOC $38.50    *
    ************    MICRO SYSTEMS ENGINEERING  P.O. BOX 20271  MPLS, MN 55420 ************
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SECOND ANNUAL UTAH COMPUTER FAIR - April 28, Friday 10-9 & April 29, Saturday 10-6 - Fashion
Place Mall; 6200 South State; Salt Lake City. Open to the public. 15 to 20 national and local
companies showing & selling their wares and introducing the general public to the fascinating
hobby of personal computing. For   further info call Utah Computer Assoc. at 801/485-3476.

BALLY OWNERS. Now that shipments are actually underway from JS+A and NCE, it seems time for users
to get together and find out about this unit. Such as, do you know there is a 50-pin connector
hidden inside? If interested in a user group write: Fabris; 3626 Morrie Dr; San Jose, CA 95127.

COMPUTERISTS or soon-to-be computerists interested in joining a club in the CENTRAL NJ AREA
whose main purpose is simply "one man's specialty is another man's lacking" (Small size & fre-
quent meetings promote faster learning) contact: David F. Wrobel; Bayshore Amateur Computer
Group at 201/264-7641(eve) or 201/420-1644(day) or write POB 132; Holmdel, NJ 07733.

KIM, blue Enclosure Group case, power supply, all manuals, First Book of KIM, PAIA TV conversion,
Pixie-verter, new condition $250. Richard Shafer; 19201 Euclid Avenue, 208-C; Euclid, OH 44117.

KSR33 TTY acous couple,tape punch-reader,$650 H Brazil 2143 Manzanita Oak,CA 94611 415/339-0185.

FOR SALE: Mits Disk - Version 4.0 DOS, Interface Age General Ledger Software, Many Games, Docu-
mentation. Good condition. $1200. Nelson Henderson; 805/937-4630.

HARDWARE ANNOUNCEMENT: *ADVANCED COMPUTER DATA SYSTEMS is now offering the CDC 300 LPM Printer* ⊂
a package to end users & OEMs of DEC PDP-11 series computers. The $9,900 package includes ⊂
interface/controller card & a software driver to run under DEC's RT-11 or RSX-11M operating sy
tems. Included are an RS-232 interface with a 1K buffer, paper basket, selectable forms lengt
6/8 lpi, LED diagnostics, paper motion detection, 64 character print band, and an accoustic ca
inet w/pedestal. Other optional features including 15 char/in compressed font. Write:
ACDS; 210 - 25th Avenue North; Nashville, TN 37203; 615/329-9311.

TERMINAL Memorex 1240, 120 col impact, 10,15,30,60cps selectable. With modem & acoustic couple
or RS232C. Tractor feed, paper tray, upper/lower case ASCII keyboard w/documentation. $950
Teletype 33 punch $75. S&D Sales Z80 CPU, 4MHz running $140. SCMP kit, needs work $40. Soli
State Music MB3 4K EPROM board w/1702As. Guaranteed. D.K. Lewandowski; 408/988-3059 eves

ZILOG MCB and MDC computer card with disk EROMS. Makes a complete disk system if you add floppi
P.S., etc. $1500/offer. Call 415/493-6654 eves.

1. GOODIES! DCC 166 COMPUTER (LIKE NOVA), 12K x 16 CORE.......................................$19⁹
2. COMPUTER DESK..$ 2⁰
3. CONRAC 1020R-01 TUNER..$ 5⁵
4. H.P. 2753A (TALLY) HS TAPE PUNCH..$ 1⁰
5. VERMONT RESEARCH 1016 DRUM MEMORY 512 TRACK...$ 3⁰
6. AVC DATACORD TAPE MEMORIES (2) EACH...$ 2⁰
7. HP 2116A COMPUTER - SOFTWARE, DOCUMENTATION, HS PT READER & PUNCH.........................$12⁰
PETER HILLE............1208 PARKINGTON AVENUE............SUNNYVALE, CA 94087.........408/735-06³

MSDV-100 - 80x24 VIDEO DISPLAY SYSTEM KIT FOR S-100 - $285.00 Custom ASCII character set, ful
upper and descending lower case with 32 special graphics characters. Special character 27⁰
EPROMs available. Extensive software support including drivers in the form of a BASIC progra
fully commented and documented with examples. MSDD-100 MINIFLOPPY DISC SYSTEM KIT - $499.00($5⁵
after Feb. 1) SHUGART SA400 Disc Drive with S-100 controller card, interrupt driven, includi¹
connecting cable. Power supply schematic supplied S-100 pluggable. Two diskettes supplied, o
with utility package. Patches supplied for MITS ALTAIR BASIC to run and store programs, over 1
per disc, accessed directly through BASIC. MSD, Inc.; 2765 South Colorado Blvd., Suite 11
Denver, CO 80222. 303/758-7411. MC/VISA.

HARDWARE ANNOUNCEMENT: *F & D ASSOCIATES announce the KBT-1 KEY/TIM Monitor System. You bui*
the system with our CPU-1 (6502 Central Processor board), and our VDB-1 (16x32 char. Video Di
play board), your TV set or video monitor, ASCII keyboard and power supply, etc. A 2708 EP
program controls the 6530-004 TIM chip to allow monitor functions to be done through the keybo
with display on the TV. It can also operate as a TIM system if a terminal is connected. The fu
tions are: Display registers; Alter registers; Display memory; Alter memory; Read/Write casset
terminal in TIM format; Goto user program. Commands & responses appear on the bottom line of
display and scroll up automatically. A control line is available that can turn on a cassette
reader/punch at the begining of load/write command & off at the end. This command allows
leader by using the timer in the 6530-004. Timer subroutine also available for other functi
The circuit boards are SS-50 bus compatible. Instructions & EPROM listing $5 ppd. CPU-1 & VI
bare boards & documentation $55 + $2.50 s/h. Programmed EPROM available. MC, BAC or COD
F & D Associates; Box 183; New Plymouth, OH 45654.

NORTH STAR USERS-DISK ASSEMBLER AND DISK EDITOR. Both read disk files in and write disk f
out; not limited by memory. Assembler will assemble up to ten source disk files and write
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ual - $30. Write Computer Systems Design, 1611 E. Central, Wichita, KS 67214.

WHY SUFFER with your Burroughs 9350-2? Two recently published articles suggest ways of inter
ing this terminal, but both require more trouble than they are worth. Our interface comple
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